

PAT-NO: JP405207725A
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TITLE: PM TYPE STEPPING MOTOR AND
MANUFACTURE THEREOF
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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To obtain a PM type stepping motor which has a small size and sufficient fixing strength of a terminal pin by placing the pin on a cover of a stator unit and drawing the pin in the same direction as that of a rotary shaft.

CONSTITUTION: First stator yokes 1a, 1b and second stator yokes 1c, 1d are arranged on the same shaft, and integrally formed of synthetic resin while forming a first bobbin 2a and a second bobbin

2b. A cover 5 for supporting a bearing 4 is formed integrally with an end face of synthetic resin. A terminal pin 6 is fixedly arranged on the cover 5 in the same direction as that of the rotary shaft, wound with ends of magnet wires 7 for constituting stator coils 3a and 3b and soldered. Accordingly, since a motor can be reduced in size and a space of the resin at the periphery of fixed part of the pin is provided substantially the same as a sectional area of the motor, the pin fixing force is sufficiently obtained.

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